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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/840,241

05/07/2004

Yi-Shiuan Chiou

4658-023

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11/08/2005

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EXAMINER

CRANSON JR, JAMES W

ART UNIT

PAPER NUMBER

2875

DATE MAILED: 11/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 10/840,241	Applicant(s) CHIOU, YI-SHIUAN	
	Examiner James W. Cranson	Art Unit 2875	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 May 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07/May2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

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The following claims have been rejected in light of the specification, but rendered the broadest interpretation [MPEP 2111]. Applicant should positively cite the structural limitations to be given full patentable weight within an apparatus claim.

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### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 4, 6, 7 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by US 4,914,553 to Hamada et al.

Hamada discloses a light source module with light source, light guide, and plural reflection portions that vary output of light intensity pattern.

Regarding claim 1:

a light emitting device for providing a light source (figure 1);

a light guiding device (5) for guiding light of light source (L) and

a plurality of reflective portions (B1,B2), formed on light guide (figure 2)

for reflecting light as output with intensity pattern (column 3, lines 27-29)

Regarding claim 4, according to claim 1,

Art Unit: 2875

Hamada discloses and illustrates that light guiding device is a transparent solid rod (column 4, lines 26-31).

Regarding claim 6, according to claim 1,

Hamada discloses and illustrates that light reflection portion is positioned opposite to light output side (column 2, lines 41-46," B1 being substantially parallel to the irradiating surface A").

Regarding claim 7, according to claim 1,

Hamada discloses and illustrates that light reflection portion has predetermined width and predetermined depth (figures 2 and 3).

Regarding claim 8, according to claim 7:

Hamada discloses and illustrates that output is consistent by arranging width, depth and further a distance to light emitting device (column 1, lines 60-64).

Claims 1 – 13 are rejected under 35 U.S.C. 102(b) as being anticipated by US 6,601,984 to Yamamoto et al.

Yamamoto discloses an LED light source module rod with light source, light guide, and plural reflector portions that vary output of light intensity pattern.

Regarding claim 1:

a light emitting device for providing a light source (10);

a light guiding device (1) for guiding light of light source (2) and

a plurality of reflective portions (11a), formed on light guide

for reflecting light as output with intensity pattern (column 7, lines 14-21)

Regarding claim 2, according to claim 1,

Yamamoto discloses and illustrates that light emitting device is on side of guide

Regarding claim 3, according to claim 1,

Yamamoto discloses and illustrates in figure 1 that inherently light intensity pattern consists of weaken light intensity in the middle.

Regarding claim 4, according to claim 1,

Yamamoto discloses and illustrates that light guiding device is a transparent solid rod

Regarding claim 5, according to claim 1,

Yamamoto discloses and illustrates that light emitting device is an LED.

Regarding claim 6, according to claim 1,

Yamamoto discloses and illustrates that light reflection portion is positioned opposite to light output side ( figure 2 illustrates bottom surfaces of 11 opposite top of 1).

Regarding claim 7, according to claim 1,

Yamamoto discloses and illustrates that light reflection portion has predetermined width and predetermined depth ( figures 5 and 9A-E).

Regarding claim 8, according to claim 7:

Yamada discloses and illustrates that output is consistent by arranging width, depth and further a distance to light emitting device ( figures 5 and 9A-E)

Regarding claim 9, according to claim 1,

Yamamoto discloses and illustrates in figure 1 that inherently light reflection portions are evenly distributed from the center of light guiding device.

Regarding claim 10, according to claim 6,

Yamamoto discloses and illustrates in figure 1 that a middle light reflection

Art Unit: 2875

portion is close to light output side of light guiding device.

Regarding claim 11:

a light emitting device for providing a light source (10);

a light guiding device (1) for guiding light of light source (2) and

a light reflective block, having reflector with width and depth (11a),

positioned opposite light output side of light guiding rod ( figure 2 illustrates bottom surfaces of 11 opposite top of 1).

further with distance to LED to produce predetermined light intensity  
(column 7, lines 14-21).

Regarding claim 12, according to claim 11,

Yamamoto discloses and illustrates in figure 1 that arrangement of light reflection block is an even distribution counting from center of rod ( column 7, lines 14-460.

Regarding claim 13, according to claim 11,

Yamamoto discloses and illustrates in figure 1 that a middle light reflection portion is close to light output side ( figure 1).

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James W. Cranson whose telephone number is 571-272-2368.

The examiner can normally be reached on Mon-Fri 8:30A.M.- 5:00P.M..

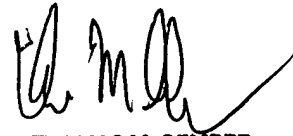
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandy O'Shea can be reached on 571-272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2875

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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**THOMAS M. SEMBER**  
**PRIMARY EXAMINER**